

|                     |      |         |           |
|---------------------|------|---------|-----------|
| Linzer biol. Beitr. | 36/1 | 131-135 | 30.7.2004 |
|---------------------|------|---------|-----------|

## **The present situation of the Sapygidae and Vespidae-fauna (Hymenoptera, Aculeata) of Turkey**

E. YILDIRIM & J. GUSENLEITNER

**A b s t r a c t :** The present situations of Sapygidae and Vespidae species of Turkey were evaluated. Including the new taxa determined in this study, and a total of 15 species and subspecies belonging to six genera from Sapygidae and 291 species and subspecies belonging to 52 genera from Vespidae were recorded up to now. From Sapygidae *Polochrum repandum* SPINOLA 1805 is new record for the Turkish fauna. In addition, new localities were found for some species and subspecies previously known in Turkey.

**K e y w o r d s :** Hymenoptera, Sapygidae, Vespidae, Fauna, Turkey.

### **Introduction**

Total 291 species and subspecies belonging to 52 genera of Vespidae and 14 species and subspecies belonging to five genera of Sapygidae were recorded from Turkey (YILDIRIM & GUSENLEITNER 2001 a, b). GUSENLEITNER (2002) recorded *Antepipona cribrata* (MORAWITZ 1885) from Van (Güzelsu), *Alastor ruficornis* GUSENLEITNER 2001a from Elazığ (Hazar Gölü), *Leptochilus montivagus* GUSENLEITNER 2002 from Malatya (Darende), Adıyaman (Kahta), Hakkari (Suvarı-Halil Pass) in Turkey. GUSENLEITNER (2001b): *Allodynerus dignotus ankarensis* GIORDANI SOIKA 1970 is a synonym of *A. dignotus* MORAWITZ.

In this study, the last situation of Sapygidae and Vespidae species of Turkey were evaluated. Including the new taxa determined a total of 291 species and subspecies belonging to 52 genera were recorded up to now from Vespidae. The material of the families Sapygidae and Vespidae was collected from different localities of Turkey

### **Results**

#### **V e s p i d a e**

##### **E u m e n i n a e**

##### ***Odynerus femoratus* DE SAUSSURE 1856**

**M a t e r i a l e x a m i n e d :** Erzurum: Umudum Plateau, 26.VI.2003, 2100 m, 1 ♀.

***Odynerus melanocephalus armeniacus* (MORAWITZ 1885)**

**M a t e r i a l e x a m i n e d :** Bingöl: Bilaloglu, 26.V.2003, 1200 m, 1♂, Hamamlar, 5.VI.2003, 5♂♂, Gümüşhane: Vauk Pass, 24.VI.2001, 5♂♂.

***Odynerus spinipes* (LINNAEUS 1758)**

**M a t e r i a l e x a m i n e d :** Erzurum: Kop Pass, 12.VI.2003, 1♂.

***Odynerus simillimus* MORAWITZ 1867**

**M a t e r i a l e x a m i n e d :** Erzurum: Umudum Plateau, 26.VI.2003, 2100 m, 1♀.

***Cephalochilus draco* GORDANI SOIKA 1970**

**M a t e r i a l e x a m i n e d :** Mus: Baglan Pass, 23.VII.2003, 1♂.

***Alastor thymbrinus* BLÜTHGEN 1956**

**M a t e r i a l e x a m i n e d :** Erzurum: Ispir Pass 13.VII.2001, 1♂.

***Microdynerus nugdunensis* (DE SAUSSURE 1855)**

**M a t e r i a l e x a m i n e d :** Erzincan: Bahceli, 1350 m, 13.VII.2001, 1250 m, 1♂.

***Leptochilus tarsatiformis* GORDANI SOIKA 1943**

**M a t e r i a l e x a m i n e d :** Erzurum: Aras Valley, 1800 m, 23.V.2001, 1♀, Köprüköy, 12.VI.2001, 1700 m, 1♀.

***Tachyancistrocerus schmidtii* (KOKUJEV 1912)**

**M a t e r i a l e x a m i n e d :** Kahramanmaraş: Tömek, 1450 m, 9.VIII.2001, 1♀.

***Eustenancistrocerus israelensis* GORDANI SOIKA 1952**

**M a t e r i a l e x a m i n e d :** Kahramanmaraş: Tömek, 1450 m, 9.VIII.2001, 3♂♂.

***Eustenancistrocerus (Parastenancistrocerus) a. amadanensis* (SAUSSURE 1885)**

**M a t e r i a l e x a m i n e d :** Kahramanmaraş: Tömek, 1450 m, 9.VIII.2001, 16♀♀, 3♂♂.

***Stenodynerus aequisculptus* (KOSTYLEV 1940)**

**M a t e r i a l e x a m i n e d :** Artvin: Coruh Valley, 16.VI.2001, 1♀.

***Stenodynerus chevrieranus* (DE SAUSSURE 1855)**

**M a t e r i a l e x a m i n e d :** Bingöl: Hamamlar, 1250 m, 26.V.2003, 1♀, Edime: Kesan, Mecidiye, 50 m, 22.VII.2003, 1♀.

***Stenodynerus chitgarensis* GORDANI SOIKA 1970**

**M a t e r i a l e x a m i n e d :** Erzurum: Tortum, Esendurak, 1500 m, 11.IX.2003, 1♂.

***Stenodynerus orenburgensis* (ANDRE 1884)**

**M a t e r i a l e x a m i n e d :** Bayburt: Kopdagı, 2300 m, 21.VI.2003, 1♂, Erzurum: Ilıca, 1850 m, 29.VI.2001, 1♂, Köprüköy, 1700 m, 12.VI.2001, 1♂.

***Stenodynerus simulatus* GUSENLEITNER 1981**

**M a t e r i a l e x a m i n e d :** Erzincan: Caglayan, 1400 m, 6.VII.2001, 1♀.

***Antepipona albosignata* GUSENLEITNER 1986**

**M a t e r i a l e x a m i n e d :** Erzurum: Ilıca, 1850 m, 29.VI.2001, 1♂.

***Antepipona insana insana* (GIORDANI SOIKA 1943)**

**M a t e r i a l e x a m i n e d :** Erzurum: Hınıs, 14.VI.2002, 1♂.

***Pseudepipona lativentris* (DE SAUSSURE 1855)**

**M a t e r i a l e x a m i n e d :** Erzurum: Palandoken, 2300 m, 17.VII.2003, 1♀.

***Euodynerus q. quadrifasciatus* (FABRICIUS 1793)**

**M a t e r i a l e x a m i n e d :** Bingöl: Hamamlar, 1300 m, 26.V.2003, 1250 m, 1♂.

***Euodynerus quadrifasciatus rufipes* GUSENLEITNER 1984**

**M a t e r i a l e x a m i n e d :** Erzurum: Palandoken, 2300 m, 17.VII.2003, 1♀.

***Euodynerus notatus notatus* (JURINE 1807)**

**M a t e r i a l e x a m i n e d :** Erzurum: Senkaya, Turnalı, 1750 m, 23.VII.2003, 10 ♀♀, 4♂♂.

***Ancistrocerus auctus* (FABRICIUS, 1793)**

**M a t e r i a l e x a m i n e d :** Bitlis: Tatvan, 23.VI.2003, 1♂.

***Ancistrocerus dusmetiolus* (STRAND 1914)**

**M a t e r i a l e x a m i n e d :** Erzurum: Köprüköy, 12.VI.2001, 1♂, Oltu, Camlıbel, 19.VI.2003, female, 3♂♂.

***Ancistrocerus o. oviventris* (WESMAEL 1836)**

**M a t e r i a l e x a m i n e d :** Erzurum: Umudum Plateau, 2100 m, 26.VI.2003, 1♀, 2♂♂.

***Ancistrocerus scoticus* (JURTIS 1826)**

**M a t e r i a l e x a m i n e d :** Erzurum: Konaklı, 2100 m, 26.VI.2003, 1♀, Tortum, Esendurak, 1500 m, 11.IX.2001. 1♀.

***Symmorphus gracilis* (BRULLÉ 1832)**

**M a t e r i a l e x a m i n e d :** Bitlis: Tatvan, 23.VI.2003, 1♀, Erzurum: Palandoken, 2300 m, 17.VII.2003, 1♀, 1♂.

***Eumenes mediterraneus* KRIECHBAUMER 1879**

**Material examined:** Edirne: Kesan, 50 m, 23.VII.2003, 3♂♂, Erzurum: Tortum, Esendurak, 1500 m, 11.IX.2001, 1♂, Kahramanmaraş: Tömek, 1450 m, 9.VIII.2001, 2♀♀.

***Eumenes subpomiformis* BLÜTHGEN 1938**

**Material examined:** Erzurum: Ispir Pass, 13.VII.2001, 1♂.

***Katamenes flavigularis* (BLÜTHGEN 1951)**

**Material examined:** Erzurum: Ispir Pass, 2100 m, 13.VII.2001, 1♂, Tortum, Cataldere, 12.VII.2001, 1♂.

**M a s a r i n a e**

***Celonites spinosus* GUSENLEITNER 1966**

**Material examined:** Artvin: Yusufeli, 6.VII.2003, 1♂, Bitlis: Tatvan, 23.VII.2003, 1♀.

***Ceramius palestinensis* (GIORDANI SOIKA 1957)**

**Material examined:** Bingöl: Hamamlar, 26.V.2003, 1300 m, 5♀♀, 8♂♂, 5.VI.2003, 80♀♀, 137♂♂.

***Jugurtia eurycara* KOSTYLEV 1935**

**Material examined:** Erzurum: Hınıs, 1750 m, 19.VII.2001, 1♀.

**S a p y g i d a e**

**S a p y g i n a e**

***Polochrum repandum* (SPINOLA 1805)**

**Material examined:** Bitlis: Adilcevaz, 1850 m, 20.VII.1999, 1♀, Erzincan: Üzümlü, 16.VI.1994, 1♀, Erzurum: Oltu, Basaklı, 28.VII.1992, 1700 m, 1♀, Sütçü, 25.VI.1996, 1500 m, 1♀, Senkaya, Gaziler, 7.VII.1990, 1650 m, 1♀, Turnalı, 22.VI.2003, 1700 m, 1♂, Gümüşhane: 15.VI.1992, 1♀.

**This species is new for the Turkish fauna**

**Distribution:** South Europe, Caucasus

***Sapyga singla* KURZENKO 1994**

**Material examined:** Erzurum: Oltu, Camlibel, 19.VI.2003, 1700 m, 1♀.

**Zusammenfassung**

Der derzeitige Stand der Vespiden- und Sapygidenfauna der Türkei wird vorgestellt. Einschließlich der in dieser Studie neu angeführten Taxa wurden in der Türkei bisher 291 Arten und Unterarten in 52 Vespiden-Gattungen sowie 15 Arten von Sapygiden in 6 Gattungen aufgefunden. Neu nachge-

wiesen für die Türkei wurde *Polochrum repandum* SPINOLA 1805. Von einigen der bisher bekannten Arten und Unterarten wurden neue Fundorte veröffentlicht.

### Literature

- GUSENLEITNER J. (2001a): Über Eumeniden aus dem Mittelmeerraum (Vespoidea, Hymenoptera,). — Linzer biol. Beitr. 33/2: 663-669.
- GUSENLEITNER J. (2001b): Bestimmungstabellen mittel- und südeuropäischer Eumeniden (Vespoidea, Hymenoptera) I. Nachtrag. — Linzer biol. Beitr. 33/1: 223-226.
- GUSENLEITNER J. (2002): Neue oder bemerkenswerte Vespoidea aus dem Nahen (Hymenoptera: Eumenidae, Masaridae). — Linzer biol. Beitr. 34/1: 335-343.
- YILDIRIM E. & J. GUSENLEITNER (2001a): The present situation of the Vespidae-fauna (Hymenoptera: Aculeata) of Turkey. — Linzer biol. Beitr. 33/1: 217-221.
- YILDIRIM E. & J. GUSENLEITNER (2001b): Sapygidae (Hymenoptera: Aculeata) of Turkey. — Linzer biol. Beitr. 33/2: 671-675.

#### Authors' addresses:

Prof. Dr. Erol YILDIRIM  
Atatürk University, Faculty of Agriculture  
Department of Plant Protection  
TK 25240, Erzurum Turkey  
E-Mail: [yildirimerol@hotmail.com](mailto:yildirimerol@hotmail.com); [eyildi@atauni.edu.tr](mailto:eyildi@atauni.edu.tr)

Dr. Josef GUSENLEITNER  
Pfitznerstrasse 31, A-4020 Linz, Austria  
E-Mail: [j.gusenleitner@utanet.at](mailto:j.gusenleitner@utanet.at)